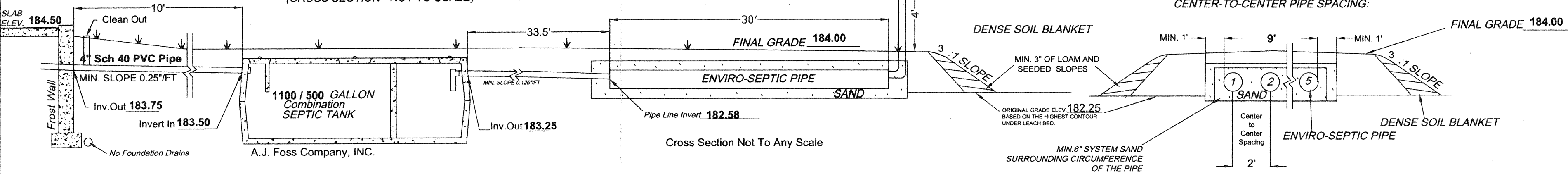


KEY ELEVATIONS  
FOUNDATION SILL: 192.00  
BUILDING OUT: 184.50

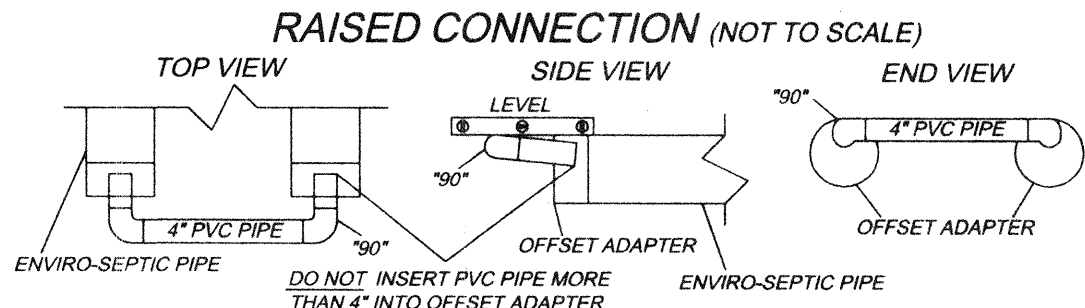
EFFLUENT DISPOSAL SYSTEM  
(CROSS SECTION - NOT TO SCALE)

NOTES:  
- TOPSOIL AND ORGANICS TO BE REMOVED FROM DISPOSAL AREA PRIOR TO PLACING SAND OR FILL.  
- FINAL GRADING TO SHED SURFACE WATER AWAY FROM SYSTEM COMPONENTS.



EFFLUENT DISPOSAL AREA

CROSS SECTION - NOT TO SCALE  
(LEVEL DISPOSAL AREA)  
NUMBER OF ENVIRO-SEPTIC LINES:  
CENTER-TO-CENTER PIPE SPACING:



SYSTEM SPECIFICATIONS

1) DESIGN INTENT: THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT 182.00 ELEVATION. THIS IS APPROXIMATELY 0.25 FEET BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL SYSTEM.

2) FLOW CALCULATIONS 300 GPD

3) LENGTH OF ENVIRO-SEPTIC REQUIRED 150 LF.  
LENGTH OF ENVIRO-SEPTIC PROVIDED 150LF.

4) 1100/500 GALLON TWO COMPARTMENT CONCRETE SEPTIC TANK TO BE SEALED & GROUTED AND NO DISTRIBUTION BOX. MANUFACTURED BY A.J. FOSS CO. OR EQUAL (IF GARBAGE DISPOSAL IS UTILIZED, THE SEPTIC TANK VOLUME SHALL BE 50 % LARGER, OR SHALL BE TWICE THE VOLUME WHEN RAW SEWAGE IS BEING PUMPED TO SEPTIC TANK.)

5) DRAIN PIPE TO BE 4" SCH 40 PVC OR EQUAL WITH SEALED JOINTS.

6) LEACHING PIPE LATERALS TO BE ENVIRO SEPTIC PIPE, LAID LEVEL AND CONNECTED TO THE DISTRIBUTION BOX WITH SOLID PVC.

7) FILL MATERIAL USED TO RAISE THE BOTTOM OF THE LEACH BED SHALL BE CLEAN BANK RUN SAND. FREE OF TOP SOIL OR HUMUS, DREDGINGS, OR STONES MORE THAN 6 INCHES OF SAND SURROUNDING THE ENVIRO-SEPTIC LEACHING SYSTEM SHALL BE TYPE-A AS SPECIFIED IN THE ENVIRO-SEPTIC MANUAL.

8) LEACH BED, SEPTIC TANK, DISTRIBUTION BOX, LEACHING PIPES, AND CHAMBERS, IF APPLICABLE, SHALL BE LAID AS LEVEL AS POSSIBLE.

9) SEPTIC SYSTEM MUST BE 100" FROM Onsite Well, 100" FROM PRIVATE WELLS, SURFACE WATER, OPEN DRAINAGE INTERCEPTING THE S.H.W.T. AND 75' FROM VERY POORLY DRAINED WETLANDS, AND 50' FROM POORLY DRAINED WETLANDS.

10) SEPTIC TANK AND LEACH BED ARE TO BE NO CLOSER THAN 10' AND 25' RESPECTIVELY TO FOUNDATION WITH DRAINS. (PROVIDED SLAB IS ABOVE FINISH GRADE OF LEACH FIELD.)

11) UNDRAINED PUMP LINES, PIPES UNDER WHEEL LOADS, OR PIPES UNDER AREAS WITHOUT SNOW COVER SHALL BE BURIED AT LEAST 4' TO PREVENT FREEZING OR SHALL BE INSULATED.

12) UNDER NO CIRCUMSTANCES SHALL VEHICLES TRAVEL OVER OR NEAR ANY SEPTIC SYSTEM COMPONENT, UNLESS DESIGNED FOR AASHTO H-20 LOADING.

13) SEPTIC TANK AND PUMP CHAMBER OPENINGS SHALL BE BROUGHT UP TO WITHIN 6" OF GRADE WITH MANHOLE RINGS AND COVERS WHEN BACK FILL EXCEEDS 18".

14) WELL SHALL BE 75' FROM PROPERTY LINE UNLESS WAIVED BY THE STATE, OR OVERLAPS INTO AREA PROTECTED FROM DEVELOPMENT.

Note: NHDES policies now require a resubmission of all plans if well location changes from its current and/or proposed location including a recalculation for lot loading. This may affect the lot loading on your property and the amount of bedrooms allowed. NOTIFY YOUR WELL DRILLER.

15) IF FAILURE OCCURS, SYSTEM MAY HAVE TO BE REBUILT IN PLACE.

16) A 2" DROP IS DESIGNED TO THE ENVIRO-SEPTIC FIELD AS SHOWN.

17) ALL SYSTEMS MUST COMPLY WITH STATUTORY REQUIREMENTS OF RSA 149-E OR AMENDMENTS TO THIS DESIGN. OMISSIONS DO NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY.

18) THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL.

19) LEACH FIELD TO BE VENTED ACCORDING TO PRESBY ENVIRO-SEPTIC SPECIFICATIONS.

\* INDICATES AN ORDINANCE SPECIFIC TO PELHAM, NH.

Notes:

The Designed Leach Field is 3 feet above the ESHWT. \*The Design Intent Uses Env. Ws 1014.06 Sloping Site. >50% of the Leach Field is 4' above the ESHWT @ 181.70.

There is no surface water within 75 feet of the proposed designed system as of 04/7/2008.

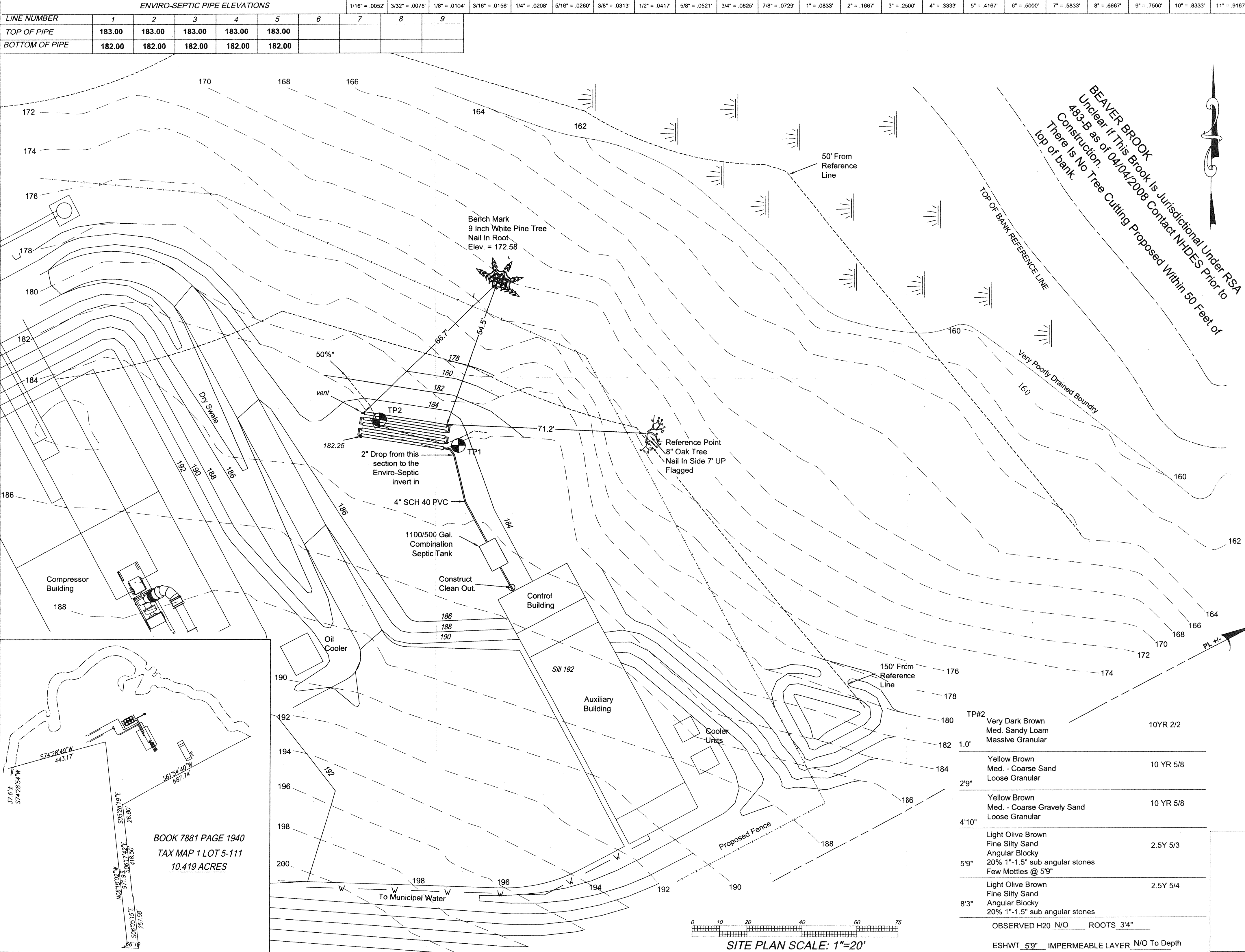
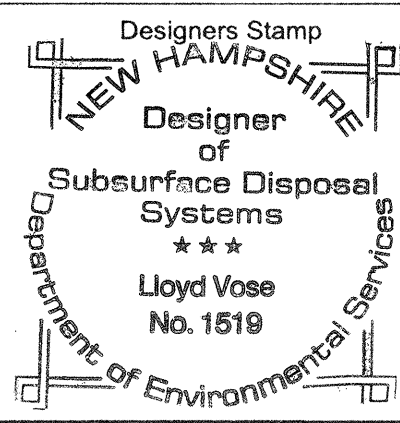
Bench Mark and Ref. Point(s) To Remain Until Final Inspection.

BEAVER BROOK  
Unclear If This Brook Is Jurisdictional Under RSA 483-B as of 04/08/2008. Contact NHDES Prior to Construction.  
50' and 150' setback lines shown for reference only.

\* INDICATES AN ORDINANCE SPECIFIC TO PELHAM, NH.

Job No. 2008-713 Revised 04/14/2008

Pelham Stamp



NOTES

- 1) SYSTEM TO BE INSTALLED IN ACCORDANCE WITH PRODUCT DESIGN AND INSTALLATION MANUAL, STATE AND LOCAL REGULATIONS. FOR PRODUCT INFORMATION OR THE NEAREST DEALER CONTACT PRESBY ENVIRONMENTAL, INC. ROUTE 117 - PO BOX 617 SUGAR HILL, NH 03585 - PHONE 1-800-473-5298 - WWW.PRESBYENVIRONMENTAL.COM
- 2) MINIMUM OF 6" OF MEDIUM TO COARSE SAND WITH LESS THAN 2% PASSING A # 200 SIEVE REQUIRED AROUND CIRCUMFERENCE OF ENVIRO-SEPTIC PIPES. (SEE DESIGN AND INSTALLATION MANUAL FOR COMPLETE SAND AND FILL SPECIFICATIONS.)
- 3) INSTALLER ADVISED TO CONTACT DIG SAFE PRIOR TO CONSTRUCTION.
- 4) DO NOT INSTALL SYSTEM ON FROZEN GROUND OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.
- 5) NO DRAINS, HOT TUBS, SAUNAS, GARBAGE DISPOSALS ETC.. SHALL BE INCORPORATED INTO THIS SYSTEM UNLESS OTHERWISE SPECIFIED.
- 6) MAINTENANCE: RECOMMEND INSPECTION OF SEPTIC TANKS AT LEAST ONCE EVERY TWO YEARS AND CLEAN IF COMBINED THICKNESS OF SLUDGE AND SCUM EQUALS MORE THAN 1/4 OF THE LIQUID DEPTH INSIDE THE TANK.
- 7) THIS DOCUMENT IS FOR THE CONSTRUCTION OF THE EFFLUENT DISPOSAL SYSTEM SHOWN. ANYONE USING INFORMATION FROM THIS DOCUMENT FOR ANY OTHER PURPOSE DOES SO AT THEIR OWN RISK.
- 8) SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH ENV-Ws 1000. "APPROVAL FOR CONSTRUCTION" IS VALID FOR 4 YEARS FROM DATE OF ISSUE.
- 9) LOT LINES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION, LOT LINES SHOWN ARE APPROXIMATE.
- 10) BARK MULCH IS NOT RECOMMENDED AS A GROUND COVER OVER LEACH FIELD.

- NO PRODUCT SUBSTITUTIONS PERMITTED WITHOUT PRIOR APPROVAL OF DESIGNER.

SOIL INFORMATION

DATE: 04/7/2008  
MAP SYMBOL AND NAME: HCSS Cmc Canton Stony Fine Sandy Loam 15-25% Slopes

PERC. TEST: <2 MIN. 1" INCH WITH BOTTOM @ 24"

TEST PIT: #1

3'-0" Partially decomposed pine needles and leaves

1.0' Very Dark Brown Med. Sandy Loam Massive Granular 10YR 2/2

3.0' Yellow Brown Med. - Coarse Gravely Sand Loose Granular 10 YR 5/8

8'2" Light Olive Brown Fine Silty Sand Angular Blocky 2.5Y 5/4

40% 3'-2" sub angular stones Few Mottles @ 3'8"

OBSERVED H2O N/O ROOTS 3'4"

ESHWT 3'8" IMPERMEABLE LAYER N/O To Depth

LOCUS (NTS)

129 Pelham

Glance Road

Beaver Brook

Castle Hill Rd.

Industrial Park Drive

Dick Tracy Rd

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RCS Designs

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